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PATENT
Attorney Docket No. 2473.0001-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	
Paul YURT et al.	
Serial No.: 08/133,982	Group Art Unit: ~~2603~~ 2614
Filed: October 8, 1993	Examiner: A. Le
For: AUDIO AND VIDEO TRANSMISSION AND RECEIVING SYSTEM	

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

AMENDMENT

This is a response to the Office Action mailed on January 13, 1994, the period for response to which has been extended through May 13, 1994, by a petition for a one-month extension of time along with the appropriate fee.

IN THE CLAIMS:

Please cancel claims 1-20, without prejudice, and add the following new claims:

~~--21.~~ 33. A transmission system for providing information to be transmitted to remote locations, the transmission system comprising:

a plurality of library means for storing items containing information;

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~~identification~~ encoding means for retrieving the information in the items from the plurality of library means and for assigning a unique identification code to the retrieved information;

conversion means, coupled to the identification encoding means, for placing the retrieved information into a predetermined format as formatted data; and

transmitter means, coupled to the conversion means, for coordinated transmission of the formatted data to one of the ~~remote locations.~~

Rule 126 34 ~~22~~. A transmission system as recited in claim 21, wherein the plurality of libraries are geographically separated.

Rule 126 35 ~~23~~. A transmission system for providing information to be transmitted to remote locations, the transmission system comprising:

a plurality of library means for storing items containing information;

identification encoding means for retrieving the information in the items from the plurality of library means and for assigning a unique identification code to the retrieved information;

conversion means, coupled to the identification encoding means, for placing the retrieved information into a predetermined format as formatted data;

ordering means, coupled to the conversion means, for placing the formatted data into a sequence of addressable data blocks;

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compression means, coupled to the ordering means, for compressing the formatted and sequenced data blocks;

compressed data storing means, coupled to the data compression means, for storing as files the compressed, sequenced data blocks received from the data compression means with the unique identification code assigned by the identification encoding means; and

transmitter means, coupled to the compressed data storing means, for sending at least a portion of one of the files to one of the remote locations.

24. A transmission system as recited in claim 23, wherein the plurality of libraries are geographically separated.

25. A receiving system responsive to a user input identifying a choice of an item stored in a source material library at a transmission system, the item containing information to be sent from the transmission system to the receiving system, the receiving system comprising:

requesting means for transmitting to the source material library in the transmission system the identity of the item;

transceiver means, coupled to the requesting means, for receiving the item from the transmission system as at least one formatted data block;

receiver format conversion means, coupled to the transceiver means, for converting the at least one formatted data block into a format suitable for storage processing, and for playback at the receiver system; and

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storage means, coupled to the receiver format conversion means, for storing a complete copy of the formatted data, the storage means including an off line recording media allowing for future multiple playbacks of the data.

26. A receiver system as recited in claim 25, further comprising play back means, coupled to the receiver format conversion means, for playing back the copy of the data.

27. A receiver system as recited in claim 26, further comprising:

recognizing means for recognizing protected data; and

disabling means, coupled to the recognizing means and the storage means, for disabling the second storage means when the recognizing means recognizes protected data.

28. A receiving system responsive to a user input identifying a choice of an item stored in a source material library at a transmission system, the item containing information to be sent from the transmission system to the receiving system, the receiving system comprising:

requesting means for transmitting to the source material library in the transmission system the identity of the item;

transceiver means, coupled to the requesting means, for receiving the item from the transmission system as at least one compressed, formatted data block;

receiver format conversion means, coupled to the transceiver means, for converting the at least one compressed,

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formatted data block into a format suitable for storage processing, and for playback at the receiver system;

first storage means, coupled to the receiver format conversion means, for storing a complete copy of the formatted data;

decompressing means, coupled to the first storage means, for decompressing the copy of the formatted data; and

second storage means, including an off line recording media allowing for future multiple playbacks, for storing a complete copy of the data.

~~29.~~ 41. A receiver system as recited in claim ~~28~~ 40, wherein the second storage means is coupled to the decompressing means, and the second storage means stores the decompressed copy of the data.

~~30.~~ 48. A receiver system as recited in claim ~~28~~ 40, further comprising play back means, coupled to the decompressing means, for playing back the decompressed copy of the data.

~~31.~~ 49. A receiver system as recited in claim ~~30~~ 48, further comprising:

recognizing means for recognizing protected data; and

disabling means, coupled to the recognizing means and the second storage means, for disabling the second storage means when the recognizing means recognizes protected data.

~~32.~~ 44. A system for providing information to be transmitted to remote locations, comprising:

identification encoding means for assigning a unique identification code to items of information;

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conversion means, coupled to the identification encoding means, for placing each item of information into a predetermined format as formatted data;

ordering means, coupled to the conversion means, for placing the formatted data for each item of information into a sequence of addressable data blocks;

compression means, coupled to the ordering means, for compressing the formatted and sequenced data blocks;

compressed data storing means, coupled to the data compression means, for storing as files the compressed, sequenced data blocks; and

first transmitter means, coupled to the compressed data storing means, for selectively sending at least a portion of one of the files;

a distribution system, remote from the transmission system, the distribution system comprising:

means for receiving and storing a complete copy of the portion of one of the files sent by the first transmitter means; and

second transmitter means, responsive to the stored portion of the one of the files, for transmitting a representation of the stored portion to at least one of a plurality of the remote locations.

~~23.~~ A transmission system as recited in claim ~~32,~~ wherein;

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the first transmitter means transmits the portion of the one of the files at a non-real time rate; and the second transmitter means transmits the stored portion in substantially real time.

~~34.~~ 46. A transmission system as recited in claim ~~33~~ 45, wherein the second transmitter means comprises a decompressor for decompressing the complete copy of the stored portion of the one of the files.

~~35.~~ 47. A transmission system as in claim ~~22~~ 44, further comprising library means for storing and supplying to the identification encoding means items containing information.

~~36.~~ 48. ~~A digital audio/video communication network comprising: a local reception system comprising;~~

~~means for receiving compressed, digitized data representing at least one item of audio/video information at a non-real time rate,~~

~~means for storing a complete copy of the received compressed, digitized data, and~~

~~means, responsive to the stored compressed, digitized data, for transmitting a representation of the at least one item of audio/video information at a real-time rate to at least one of a plurality of subscriber receiving stations coupled to the local reception system; and~~

~~a converter for decompressing the compressed, digitized data representing the at least one audio/video program.~~

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Rule 126 49 ~~37~~. A digital audio/video communication network as recited in claim 36, wherein the converter is an element of the means for transmitting.

Rule 126 50 ~~38. A digital audio/video communication network as~~ recited in claim 36, further comprising a ~~processing~~ station for formatting items of audio/video information as compressed, digitized data and transmitting the compressed, digitized data representing at least one item of audio/video information at ~~the non-real time rate to the local distribution system.~~

Rule 126 51 ~~39~~. A digital audio/video communication network as recited in claim 38, wherein the central processing station comprises:

means for inputting items of audio/video information; conversion means for placing each input item of audio/video information into a predetermined format as formatted data;

compression means for compressing the formatted data; and transmitter means for sending compressed formatted data for the at least one item of audio/video information at the non-real time rate to the local reception system.

Rule 126 52 ~~40~~. A method of distributing audio/video information comprising:

transmitting compressed, digitized data representing a complete copy of at least one item of audio/video information at a non-real time rate from a central processing location;

receiving the transmitted compressed, digitized data representing a complete copy of the at least one item of audio/

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video information, at a local distribution system remote from the central processing location;

storing the received compressed, digitized data representing the complete copy of the at least one item at the local distribution system; and

in response to the stored compressed, digitized data, transmitting a representation of the at least one item at a real-time rate to at least one of a plurality of subscriber receiving stations coupled to the local distribution system.

~~41. A method as recited in claim 40, further comprising the step of decompressing the compressed, digitized data representing the at least one audio/video program.~~

42. A method as recited in claim 41, wherein the decompressing step is performed in the local distribution system to produce the representation of the at least one item for transmission to the at least one subscriber station.

43. A method as in claim 40, wherein the transmitting step comprises:

inputting an item having information into the transmission system;

assigning a unique identification code to the item having information;

formatting the item having information as a sequence of addressable data blocks;

compressing the formatted and sequenced data blocks;

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storing, as a file, the compressed, formatted, and sequenced data blocks with the assigned unique identification code; and

sending at least a portion of the file at the non-real time rate to the local distribution system.

44. A method as recited in claim 43, wherein the inputting step comprises inputting the item having information as blocks of digital data.

45. A method as recited in claim 43, wherein the inputting step comprises: inputting the item having information as an analog signal; and converting the analog signal to blocks of digital data.

46. A method of distributing audio/video information comprising:

formatting items of audio/video information as compressed digitized data at a central processing location;

transmitting compressed, digitized data representing a complete copy of at least one item of audio/video information from the central processing location;

receiving the transmitted compressed, digitized data representing a complete copy of the at least one item of audio/video information, at a local distribution system;

storing the received compressed, digitized data representing the complete copy of the at least one item at the local distribution system; and

using the stored compressed, digitized data to transmit a representation of the at least one item to at a

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plurality of subscriber receiving stations coupled to the local distribution system.

Rule 59 126 ~~47~~. A method as recited in claim 46, wherein the formatting step comprises:

inputting an item having information into the transmission system;

assigning a unique identification code to the item having information;

formatting the item having information as a sequence of addressable data blocks;

compressing the formatted and sequenced data blocks.

18 Rule 60 126 ~~48~~. A method as recited in claim 17 ~~59~~ Rule 126 ~~47~~, wherein the inputting step comprises inputting the item having information as blocks of digital data.

19 Rule 61 126 ~~49~~. A method as recited in claim 17 59 Rule 126 ~~47~~, wherein the inputting step comprises:

inputting the item having information as an analog signa; and converting the analog signal to blocks of digital data.

REMARKS

By this amendment, Applicants have cancelled pending claims 1-20, without prejudice, and added new claims 21-49.

Applicants respectfully submit that new claims 21-49 are in full compliance with 35 U.S.C. § 112, and are otherwise allowable.

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The examination of and the allowance of claims 21-49 are respectfully requested.

If there are any other fees due in connection with the filing of this amendment, please charge the fees to our Deposit Account No. 06-0916. If an extension of time under 37 C.F.R. 1.136 not accounted for above is required for the entry of this amendment, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
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By: [signature]
Michael R. Kelly
Registration No. 33,921

Dated: May 13, 1994

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